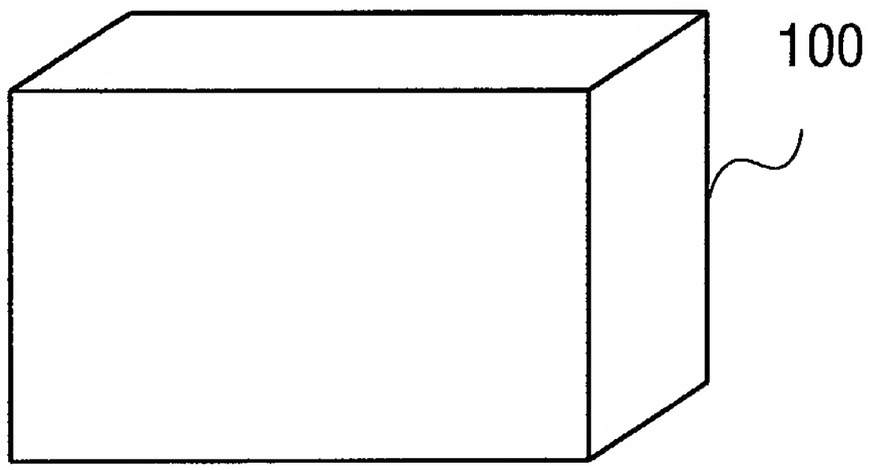

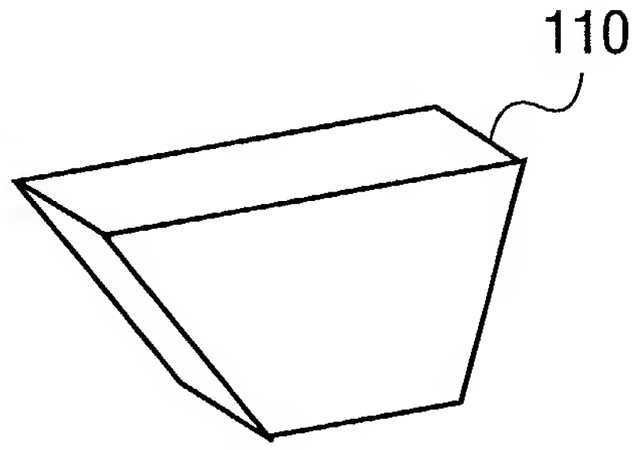

Color
Transparency
Texture
Lighting
Position

Attribute Set
101 a-n

Image
Text
Video
Sound

Attribute Set
102 a-n

Data-mapping model
Mapping type
Mapping adjustment

Attribute Set
103 a-n

FIG. 1

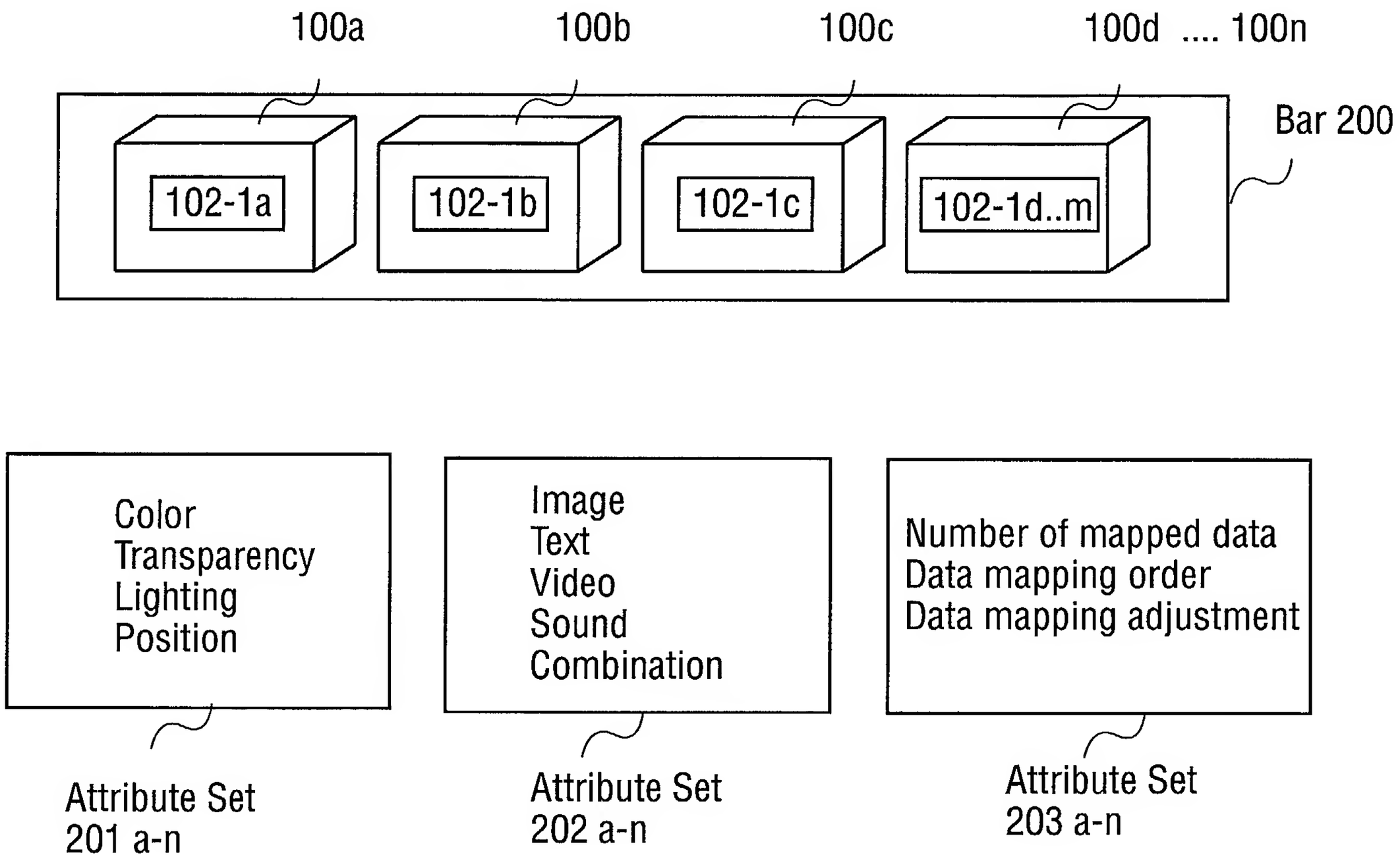
100a
100b
100c
100d 100n
Bar 200
102-1a
102-1b
102-1c
102-1d..m
Color
Transparency
Lighting
Position
Attribute Set
201 a-n
Image
Text
Video
Sound
Combination
Attribute Set
202 a-n
Number of mapped data
Data mapping order
Data mapping adjustment
Attribute Set
203 a-n

FIG. 2

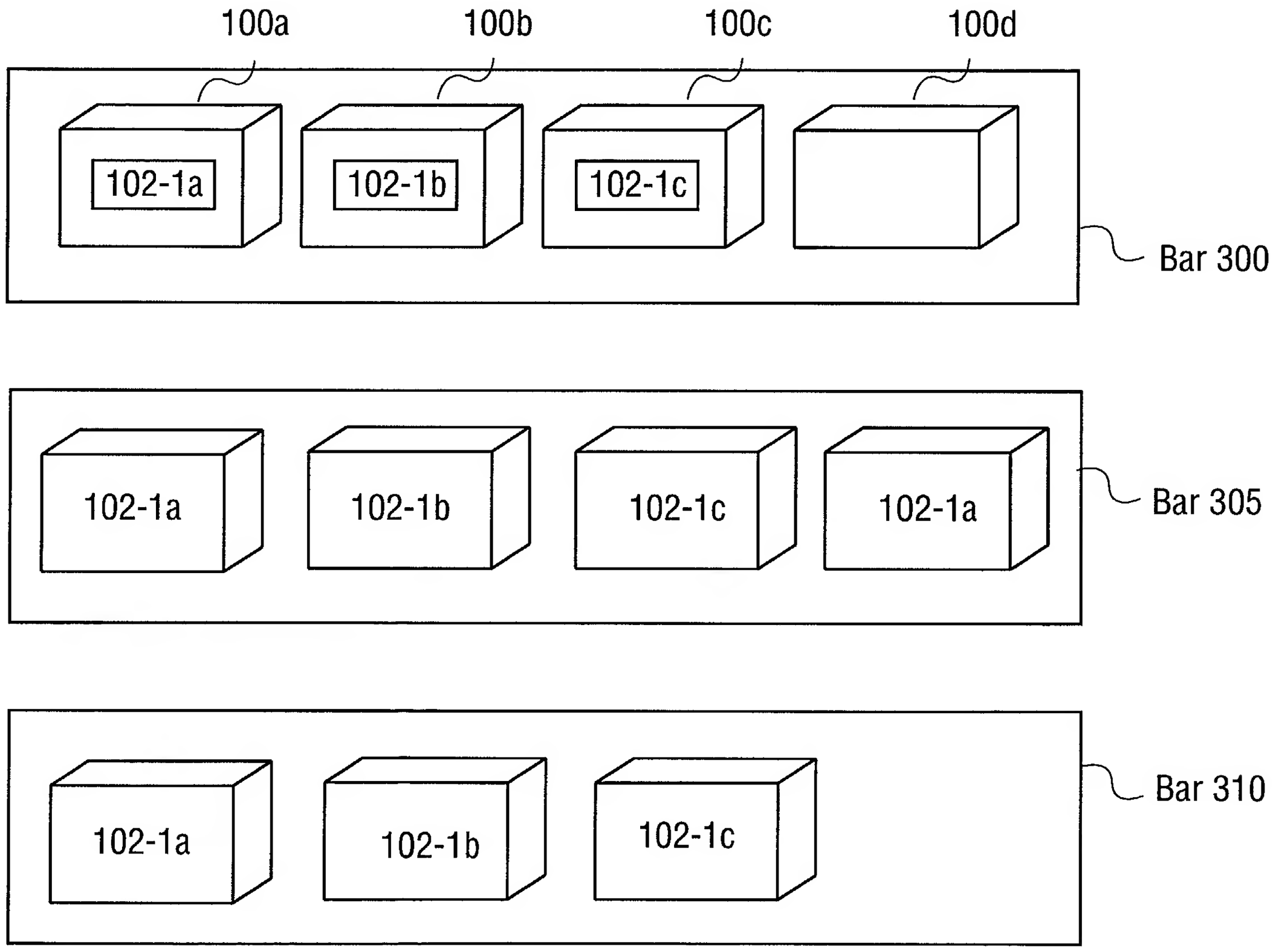
100a
100b
100c
100d
102-1a
102-1b
102-1c
Bar 300
102-1a
102-1b
102-1c
102-1a
Bar 305
102-1a
102-1b
102-1c
Bar 310

FIG. 3

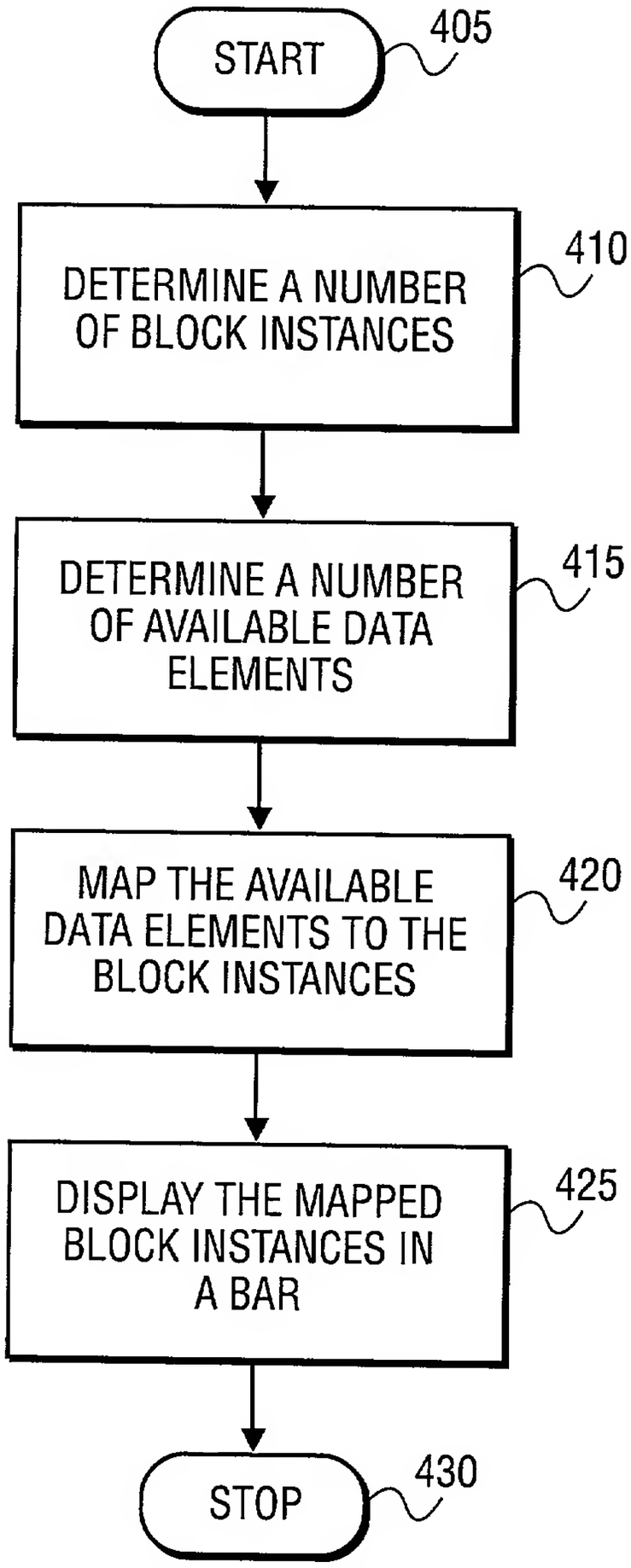
START
405
DETERMINE A NUMBER OF BLOCK INSTANCES
410
DETERMINE A NUMBER OF AVAILABLE DATA ELEMENTS
415
MAP THE AVAILABLE DATA ELEMENTS TO THE BLOCK INSTANCES
420
DISPLAY THE MAPPED BLOCK INSTANCES IN A BAR
425
STOP
430

FIG. 4

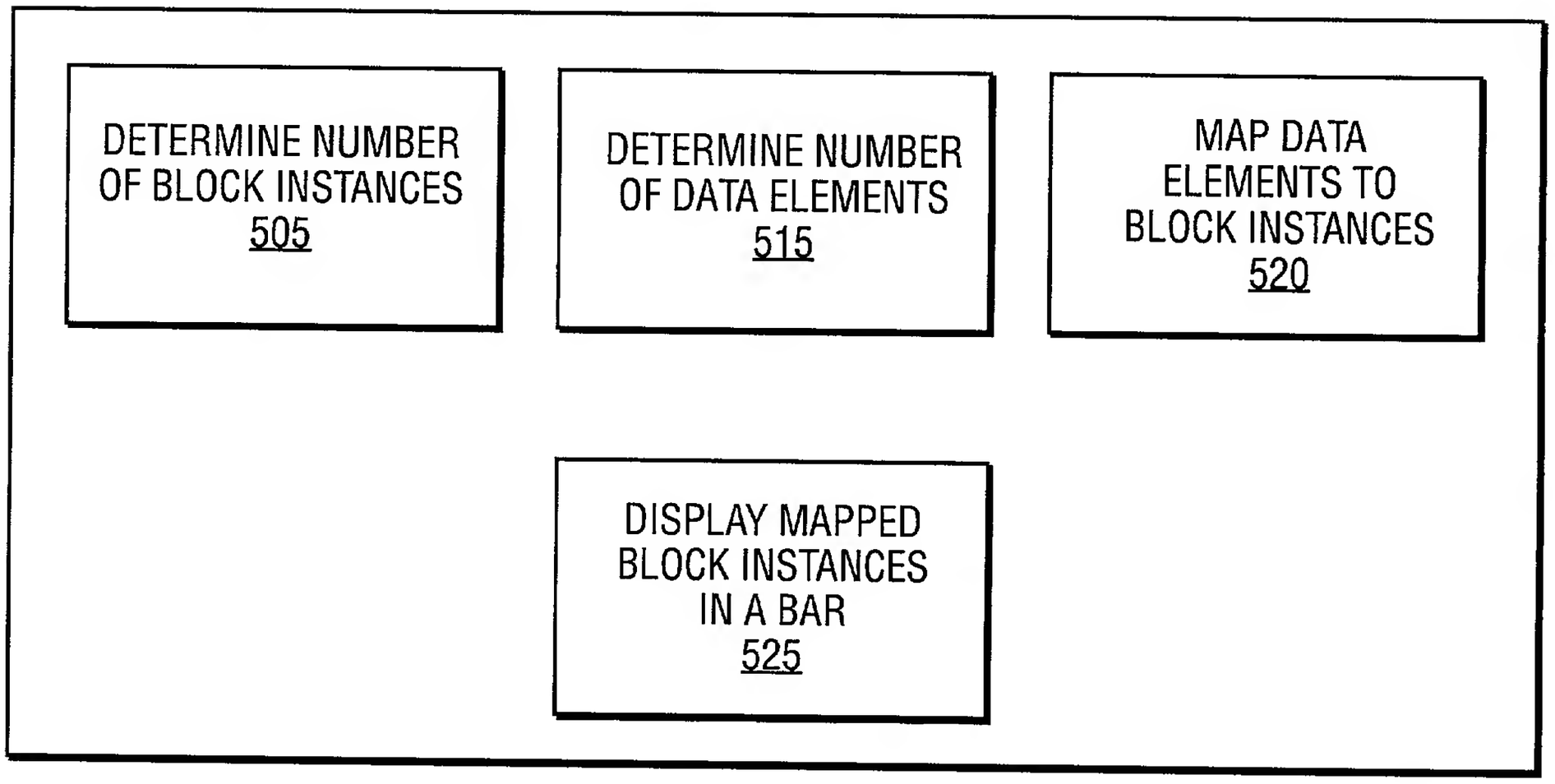
DETERMINE NUMBER OF BLOCK INSTANCES 505
DETERMINE NUMBER OF DATA ELEMENTS 515
MAP DATA ELEMENTS TO BLOCK INSTANCES 520
DISPLAY MAPPED BLOCK INSTANCES IN A BAR 525

FIG. 5